

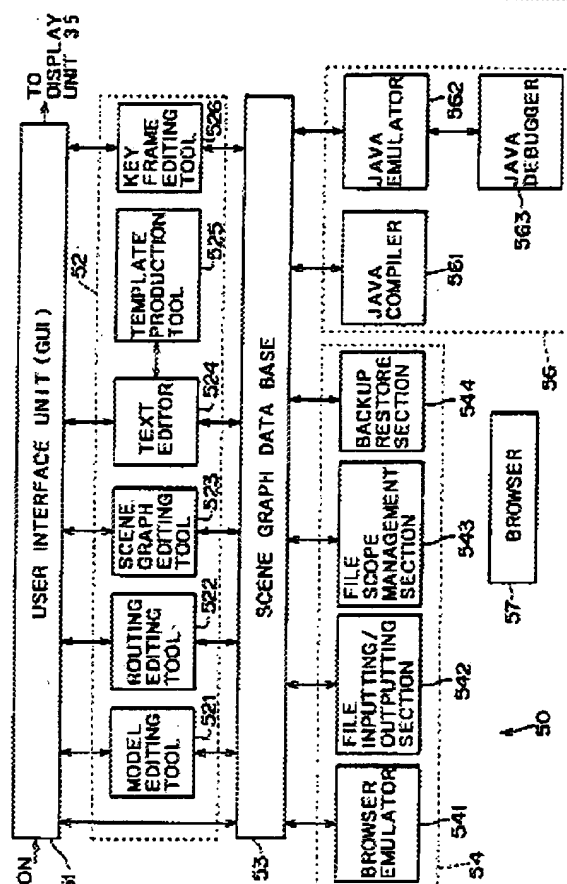
TITLE: Information processing apparatus and method, and providing medium

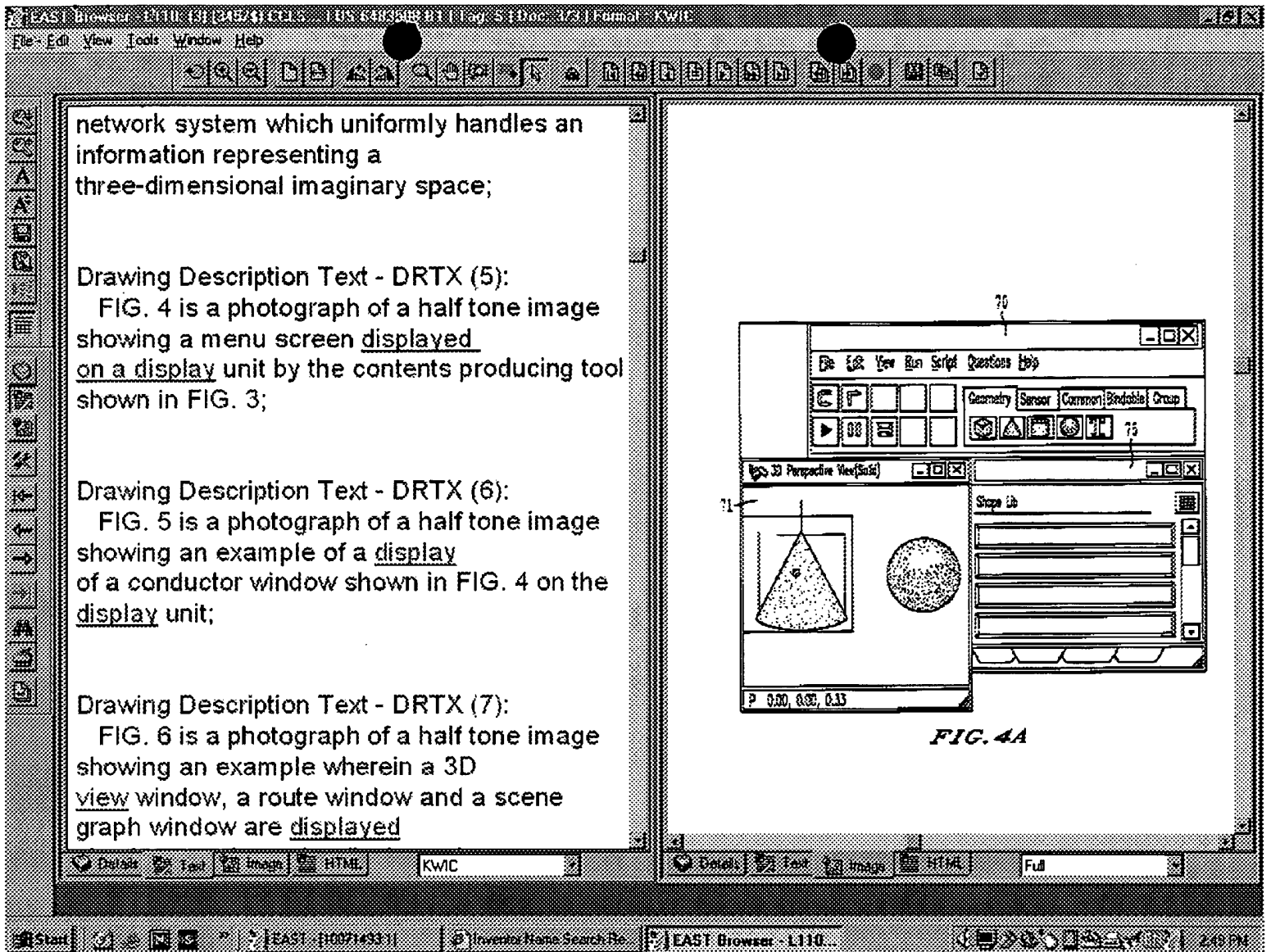
----- KWIC -----

Abstract Text - ABTX (1):

The invention provides an information processing apparatus and method and a providing medium by which editing of a prototype can be performed readily. When a prototype is defined using some of nodes of a current scope, if the current scope includes a node which should be routed to the prototype, then an editing tool adds an interface as a field for inputting or outputting an event therethrough to the prototype, and routes between the node and the prototype through the thus added interface.

FIG. 3







#### Detailed Description Text - DETX (4):

According to the present invention as set forth in claim 2, the information processing apparatus further comprises creation means (for example, a step S24 of FIG. 13) for creating an instance which is a substance of the prototype, second addition means (for example, a step S25 of FIG. 13) for adding an interface to the instance when the current scope includes a node which is to be routed to the instance created by the creation means, and second routing means (for example, a step S26 of FIG. 13) for routing between the node and the instance through the interface added by the second addition means.

#### Detailed Description Text - DETX (5):

Referring to FIG. 1, there is shown a construction of a network system which uniformly handles a three-dimensional space and to which an information processing apparatus of the present invention

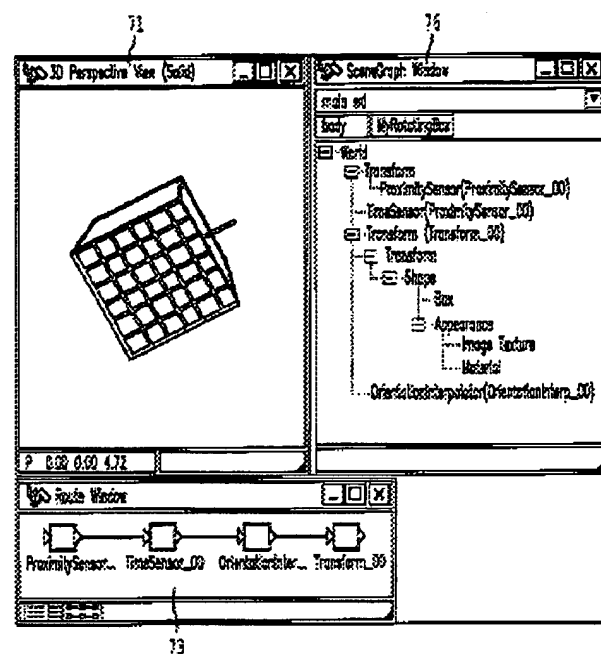
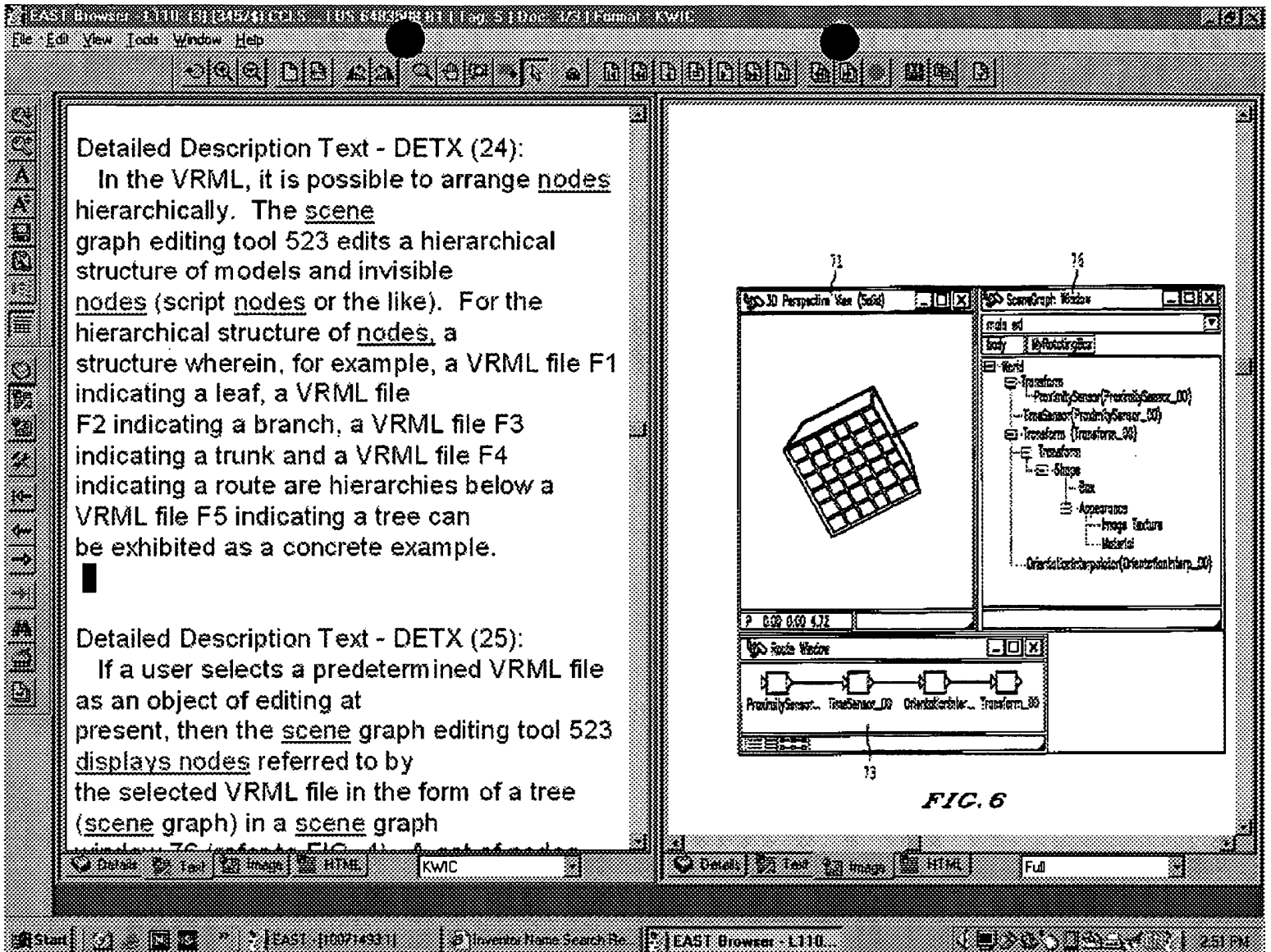
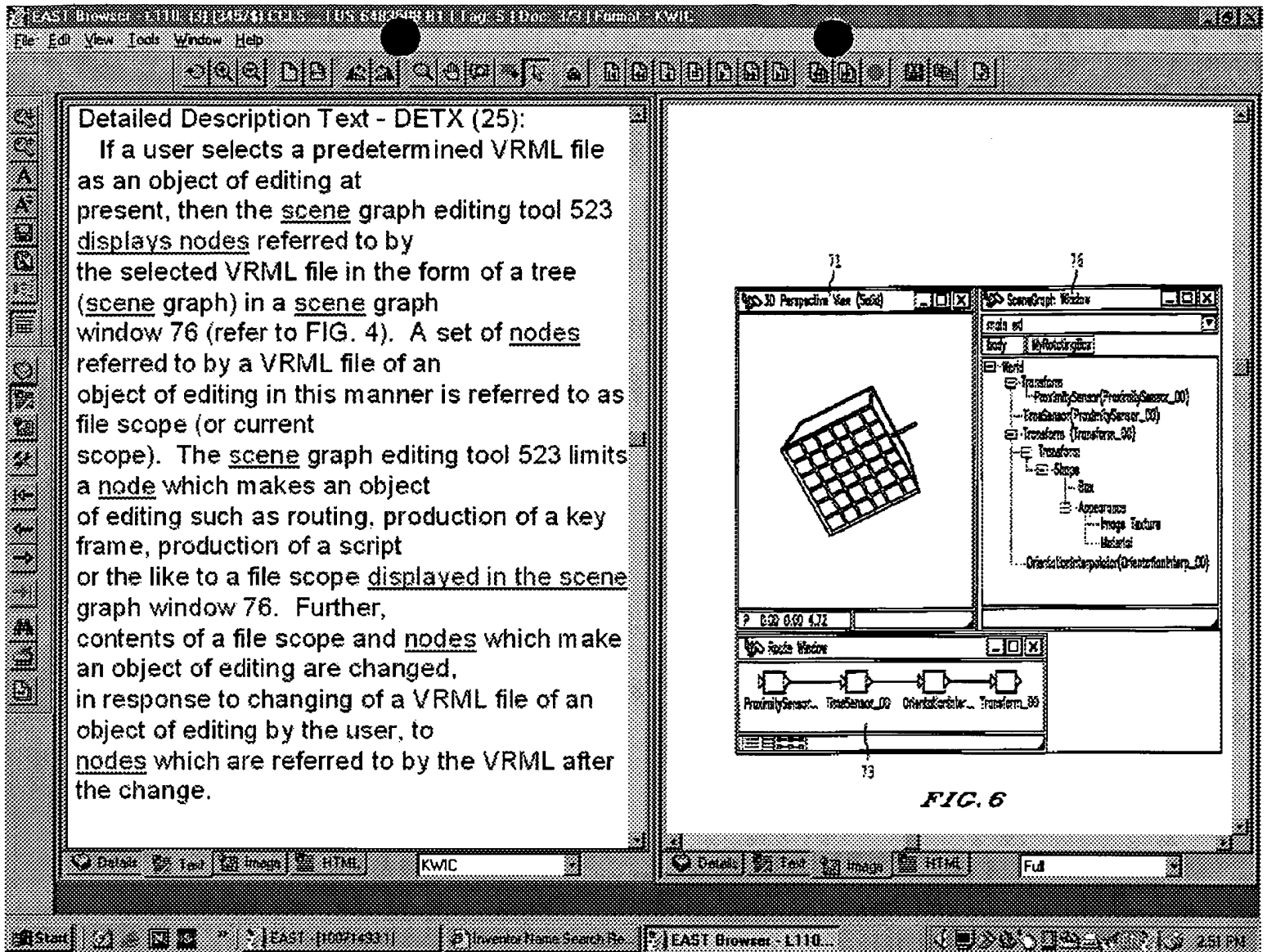


FIG. 6





~~The browser emulator 541 is started~~



In the working tool 54, the browser emulator 541 is used to allow the user to confirm operation of produced contents. The browser emulator 541 is started when a "Play" button (which will be hereinafter described) provided in an inputting image displayed on the display unit 35 is operated, and displays contents stored in the scene graph database 53 in a modeling window of the screen of the display unit 35 and further varies the displayed contents in response to an operation of the user.

In short, the browser emulator 541 emulates operation of the browser 57 and indicates, to the user, the same contents as those when the browser 57 is used. It is to be noted that the browser emulator 541 stops its operation when a "Stop" button (which will be hereinafter







### Detailed Description Text - DETX (31):

In the working tool 54, the browser emulator 541 is used to allow the user to confirm operation of produced contents. The browser emulator 541 is started when a "Play" button (which will be hereinafter described) provided in an inputting image displayed on the display unit 35 is operated, and displays contents stored in the scene graph database 53 in a modeling window of the screen of the display unit 35 and further varies the displayed contents in response to an operation of the user.

### Detailed Description Text - DETX (32):

In short, the browser emulator 541 emulates operation of the browser 57 and indicates, to the user, the same contents as those when the browser 57 is used. It is to be noted that the browser emulator 541 stops its operation when a "Stop" button (which will be hereinafter

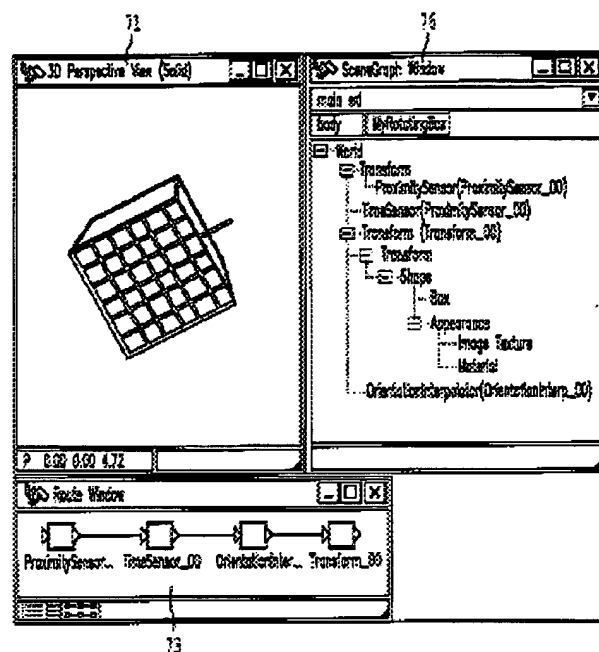
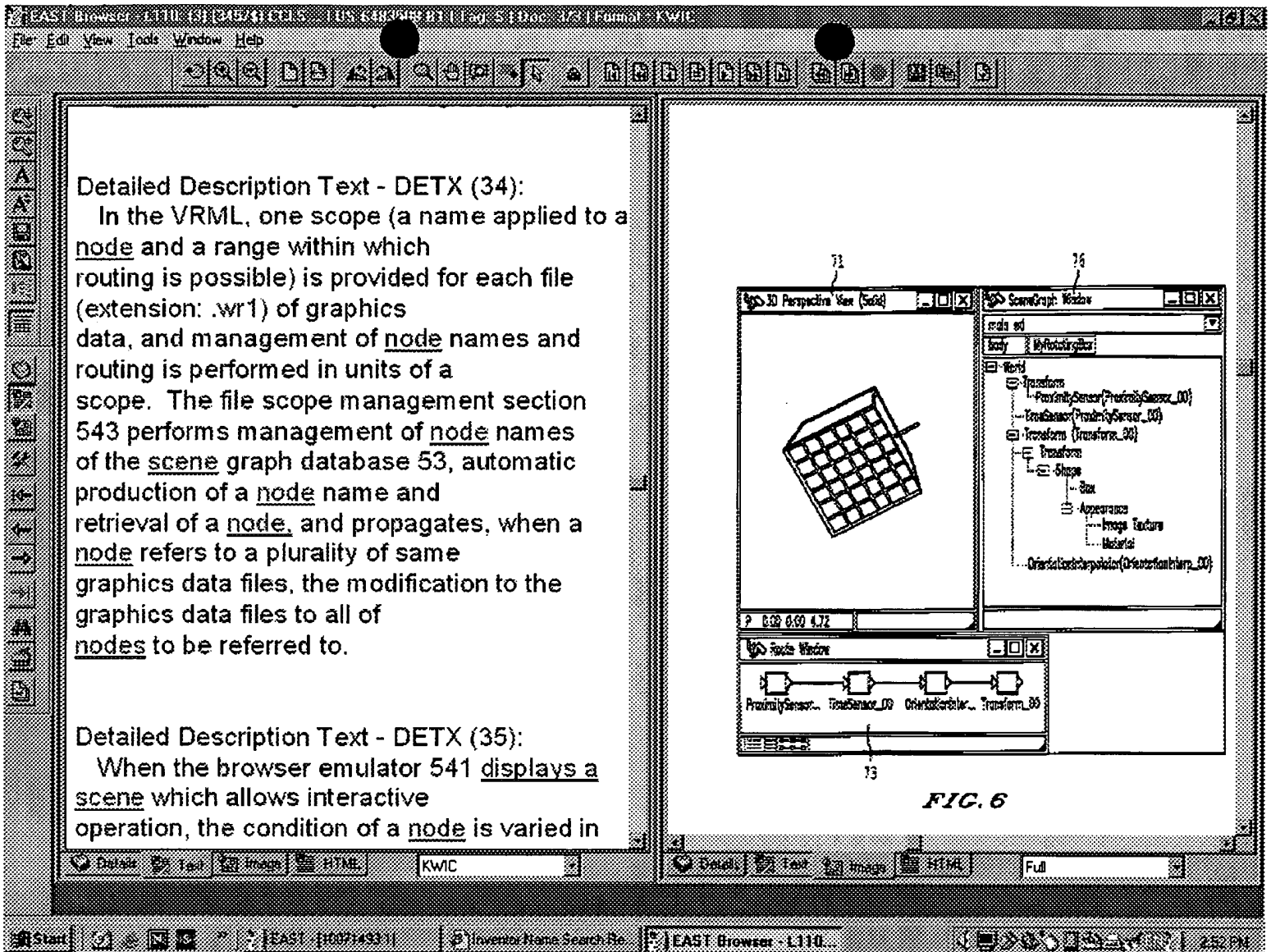
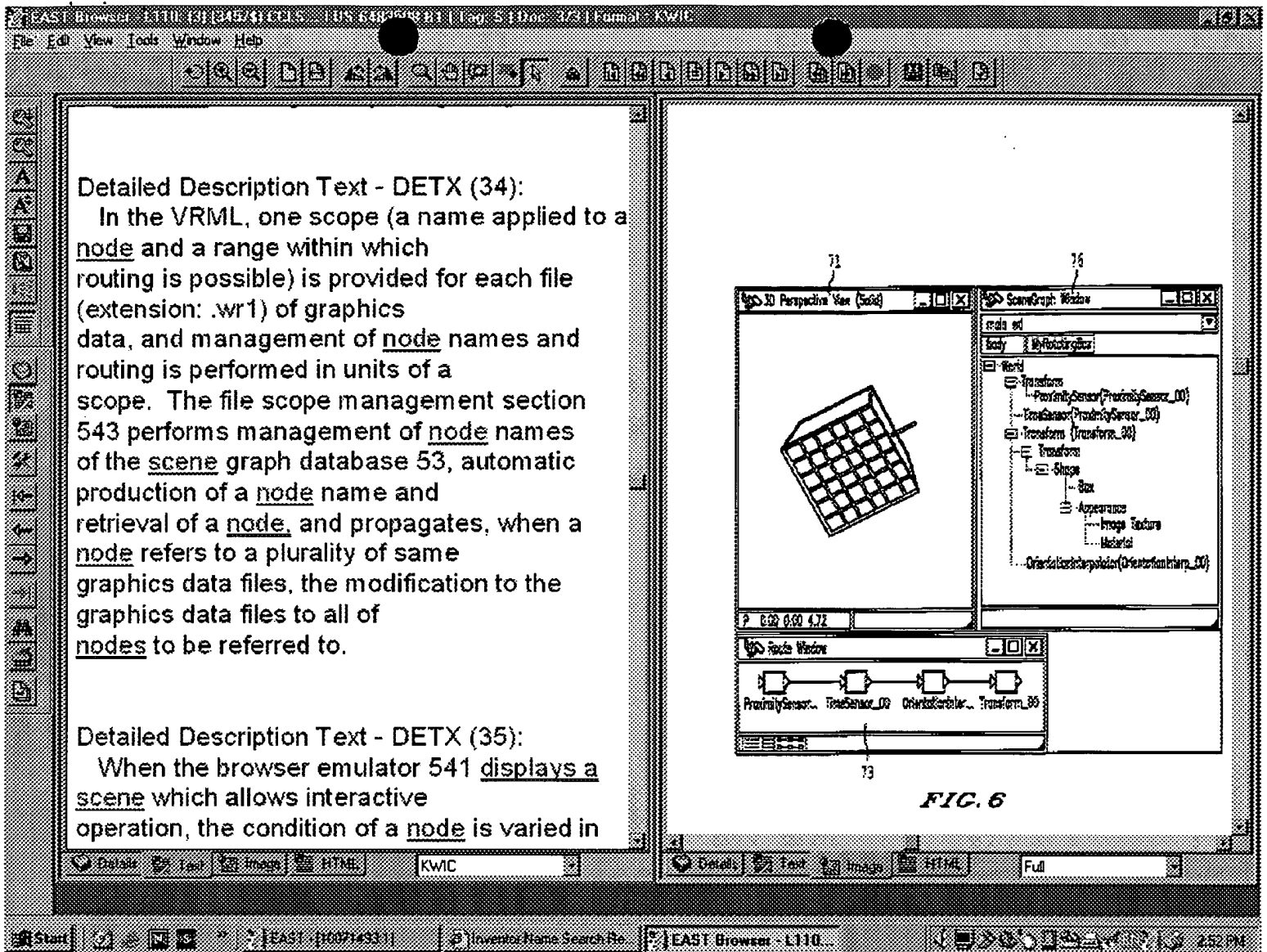


FIG. 6









#### Detailed Description Text - DETX (35):

When the browser emulator 541 displays a scene which allows interactive operation, the condition of a node is varied in response to an operation by the user, and therefore, if no countermeasure is taken, then the display of the original scene cannot be restored. Therefore, the backup restore section 544 receives from the scene graph database 53 and stores initial states of each node of a scene (three-dimensional imaginary space produced from an VRML file) displayed first in a modeling window when the browser emulator 541 is started in response to an operation of the Play button.

#### Detailed Description Text - DETX (36):

Further, the browser emulator 541 outputs, when it stops its operation in response to press of the Stop button, stored states of each node to the scene graph database 53. It is to be noted that the

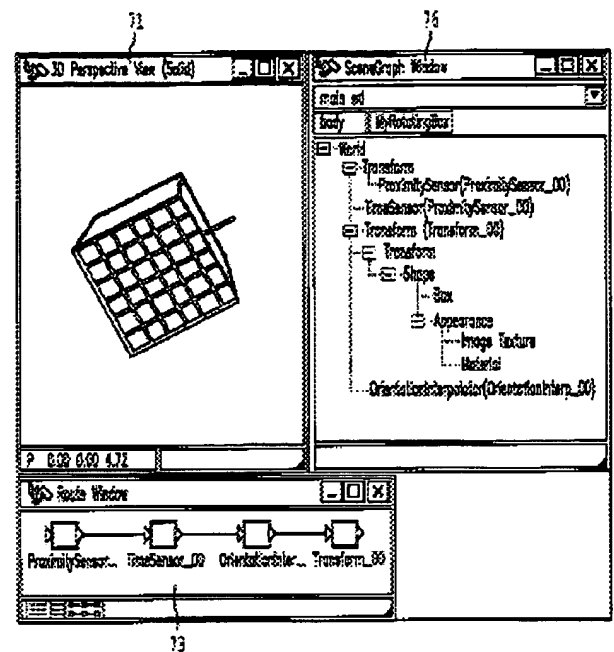


FIG. 6

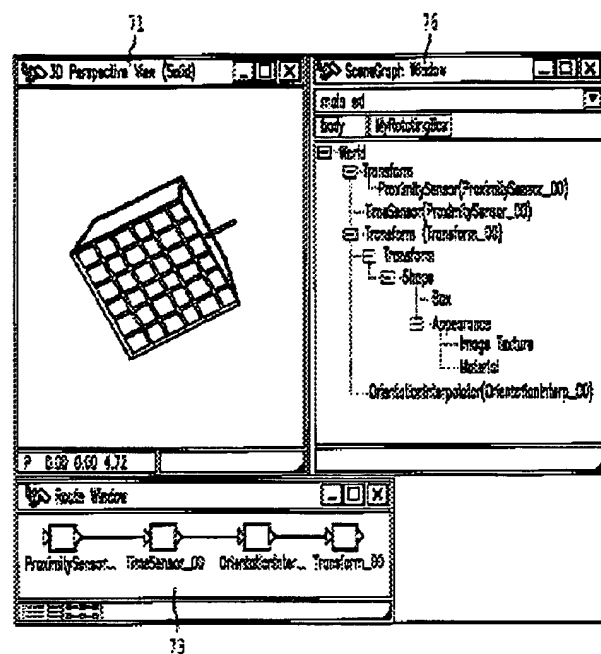


## Detailed Description Text - DETX (36):

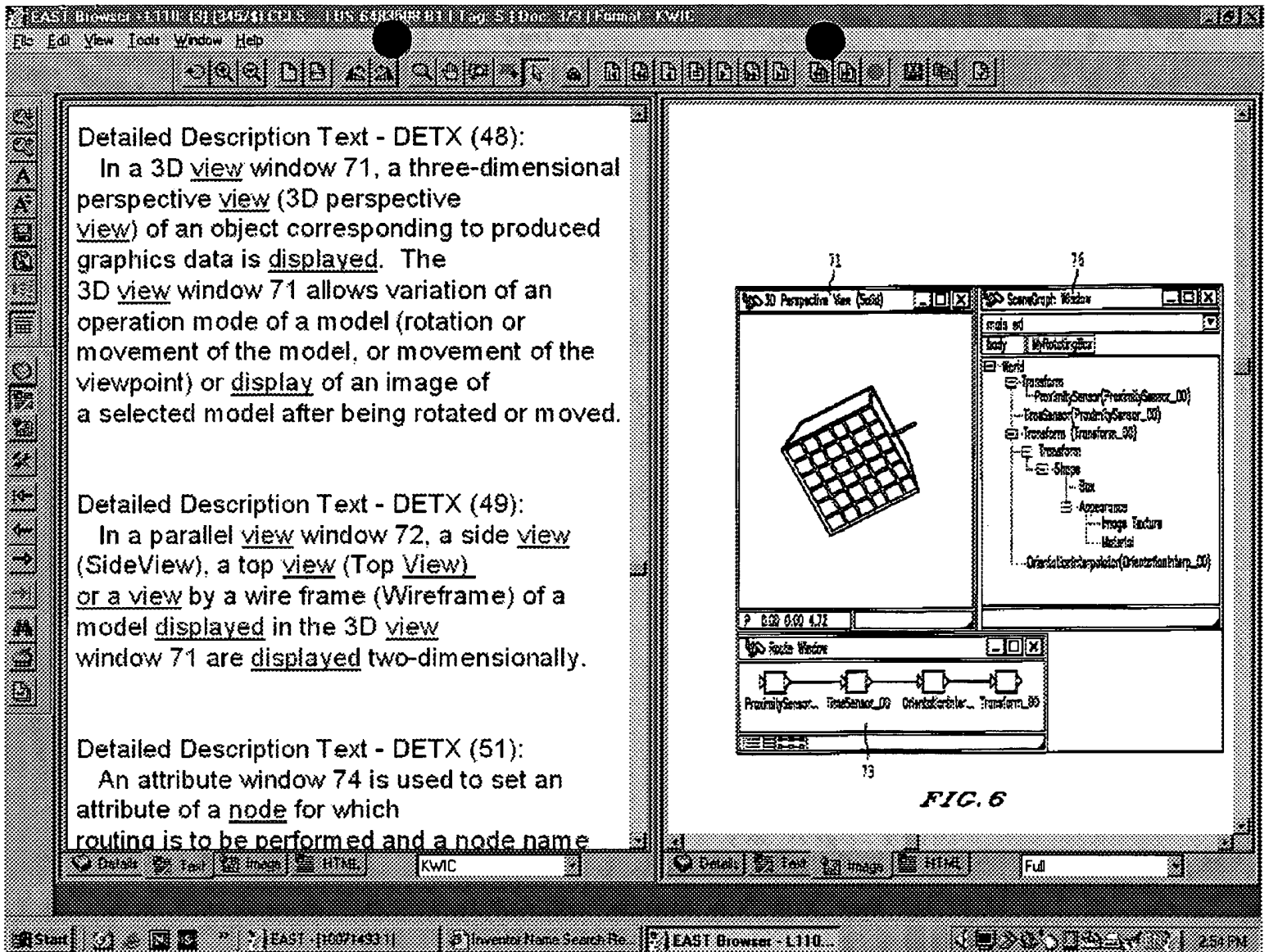
Further, the browser emulator 541 outputs, when it stops its operation in response to press of the Stop button, stored states of each node to the scene graph database 53. It is to be noted that the user interface unit 51 displays a three-dimensional imaginary space in the modeling window based on initial states of each node inputted to the scene graph database 53.

## Detailed Description Text - DETX (40):

The browser 57 is an improvement over, for example, a browser which is used to browse the ordinary WWW in that it is suitable to display a three-dimensional imaginary space, and causes the display unit 35 to display contents of a three-dimensional imaginary space read out from the storage unit 39 or contents of a three-dimensional imaginary space transmitted from the



**FIG. 6**





### Detailed Description Text - DETX (51):

An attribute window 74 is used to set an attribute of a node for which routing is to be performed and a node name (DEF name) of the node. It is to be noted that setting of a DEF name can be performed alternatively using the scene graph window 76 and the route window 73. This will be hereinafter described.

### Detailed Description Text - DETX (53):

In a scene graph window 76, nodes of a current scope are displayed in a hierarchical arrangement.

### Detailed Description Text - DETX (58):

Buttons 702-1 to 702-4 are used to set a mouse mode. The button (Navigator button) 702-1 is used to set a mode for moving the viewpoint in the parallel view window 72 or the 3D view window 71. The button (Rotate button) 702-2 is

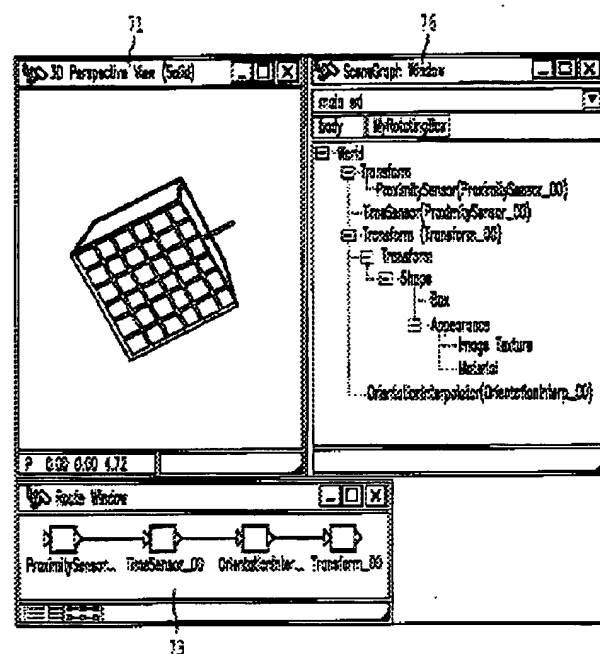
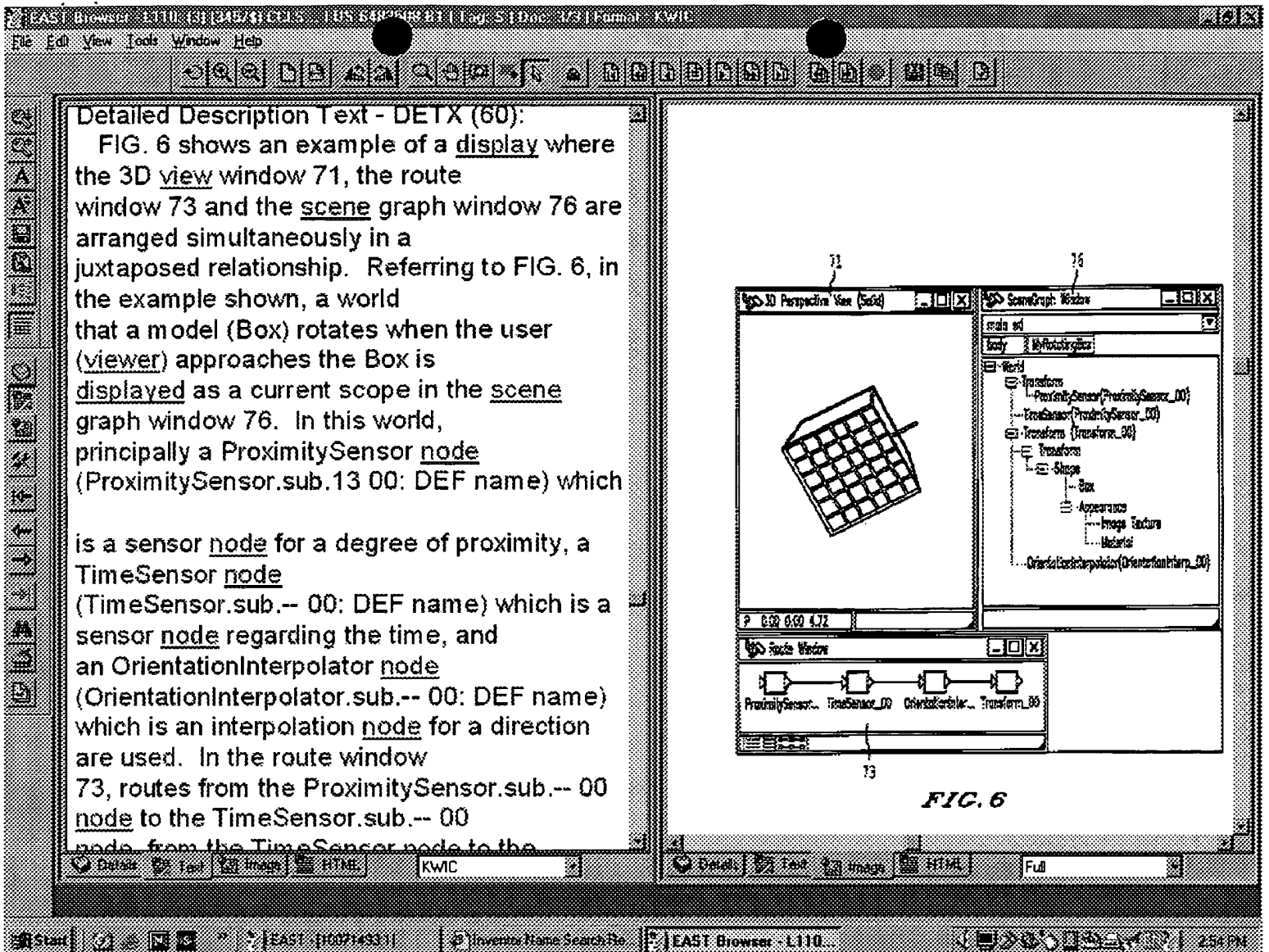
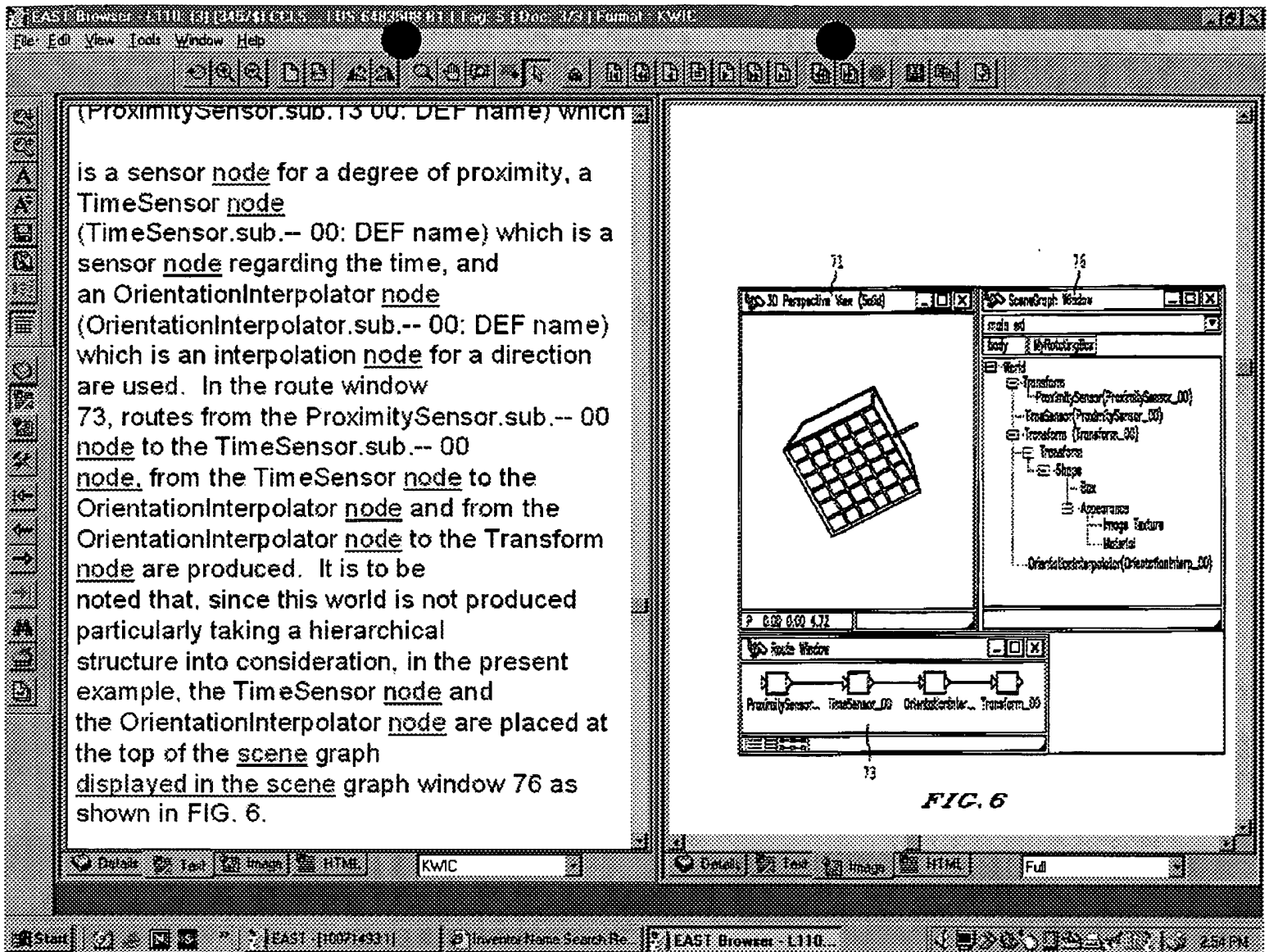
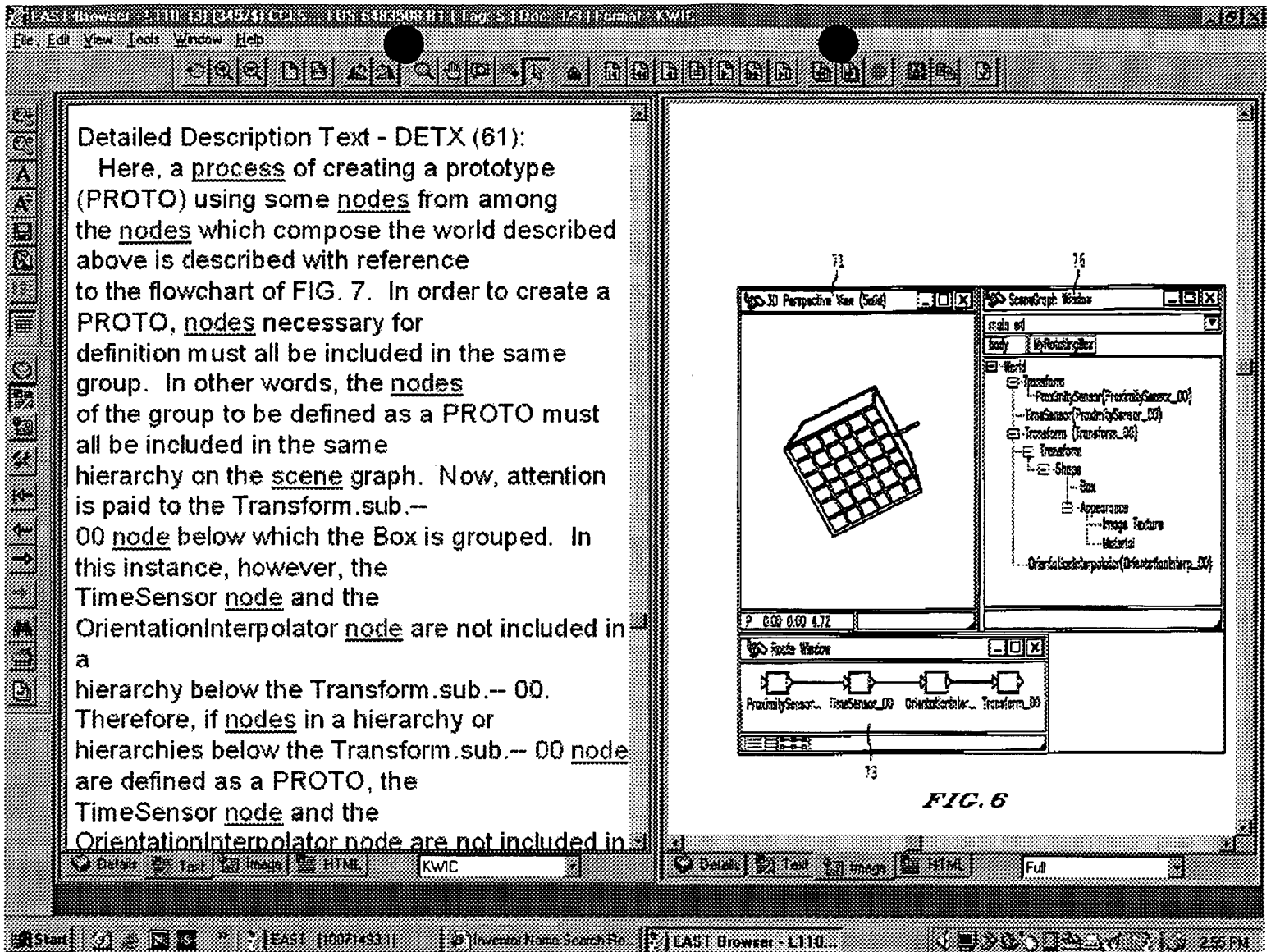


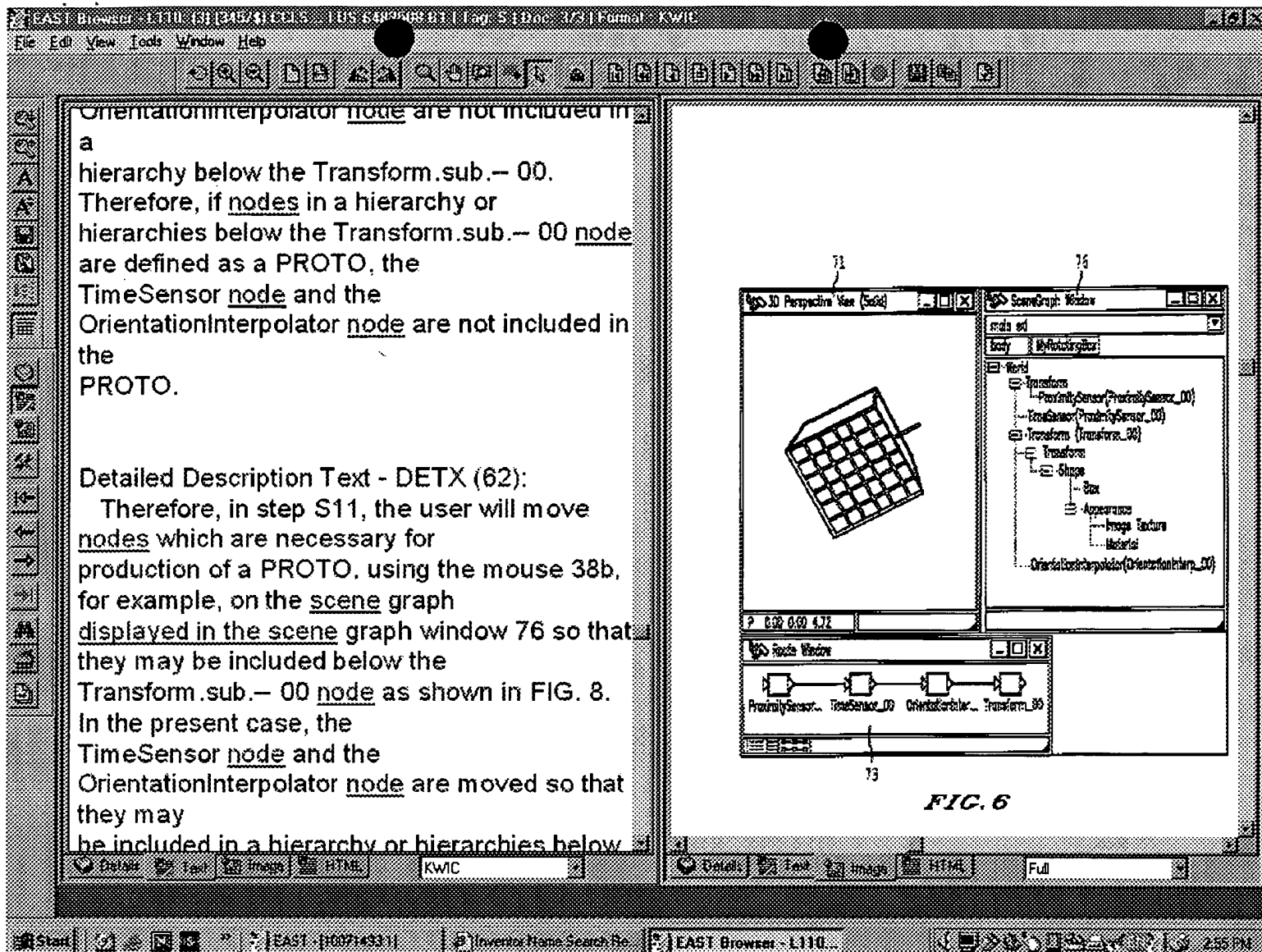
FIG. 6











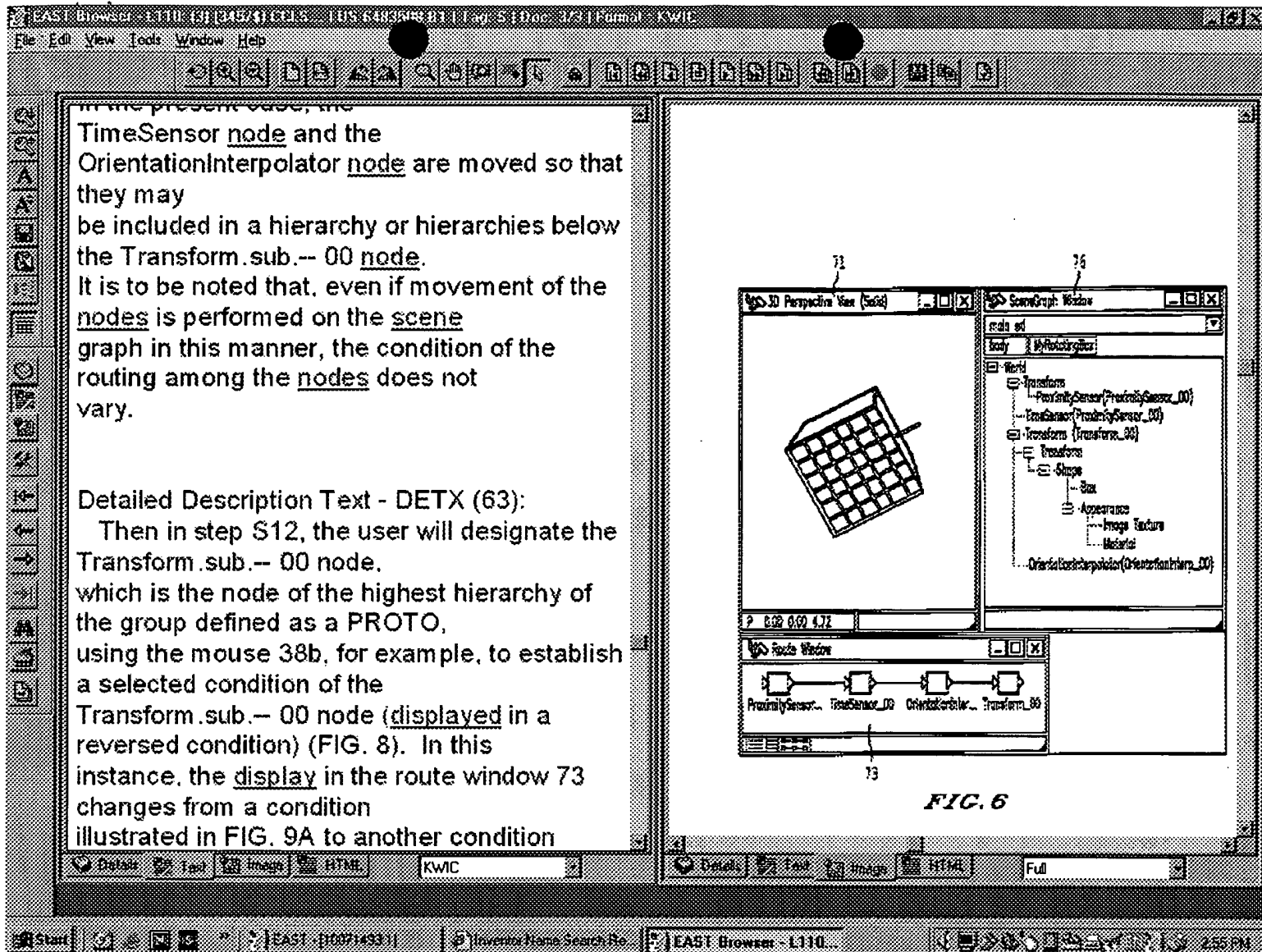


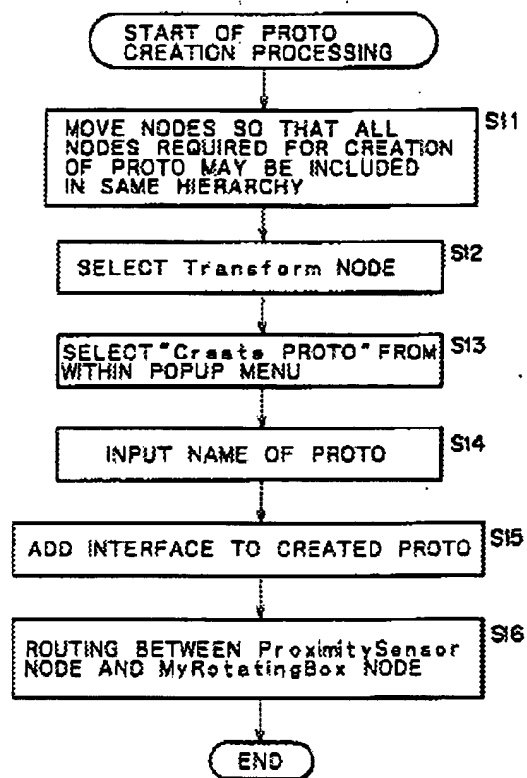
FIG. 6

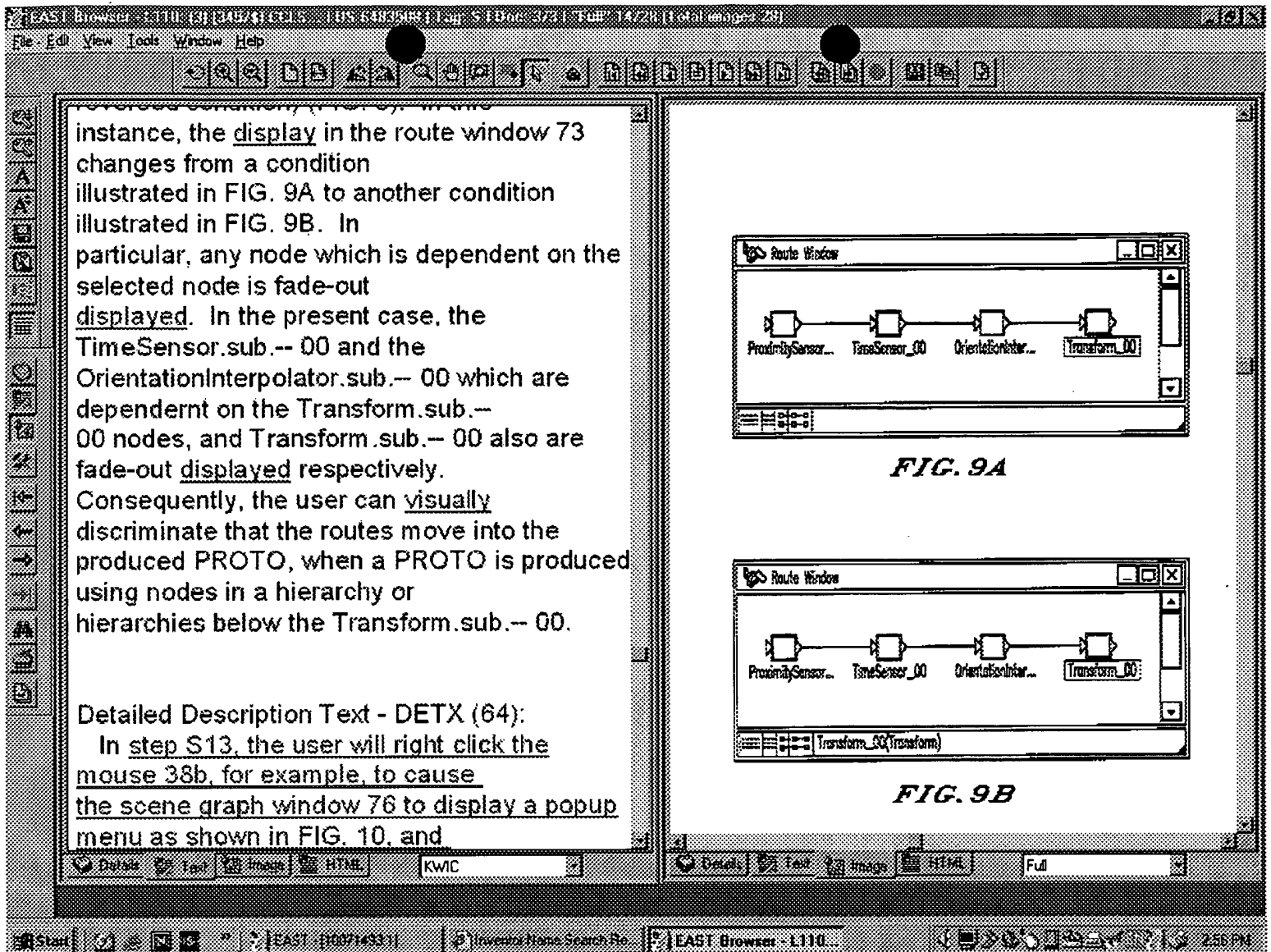
instance, the display in the route window 73 changes from a condition illustrated in FIG. 9A to another condition illustrated in FIG. 9B. In particular, any node which is dependent on the selected node is fade-out displayed. In the present case, the TimeSensor.sub.-- 00 and the OrientationInterpolator.sub.-- 00 which are dependert on the Transform.sub.-- 00 nodes, and Transform.sub.-- 00 also are fade-out displayed respectively. Consequently, the user can visually discriminate that the routes move into the produced PROTO, when a PROTO is produced using nodes in a hierarchy or hierarchies below the Transform.sub.-- 00.

#### Detailed Description Text - DETX (64):

In step S13, the user will right click the mouse 38b, for example, to cause the scene graph window 76 to display a popup menu as shown in FIG. 10, and

FIG. 7





East Browser - 1007143311 - [US 6482889 B1] [Page 51] [Format: KWIC]

File Edit View Tools Window Help

Detailed Description Text - DETX (65):

A MyRotatingBox node is newly created as a PROTO in this manner, and the MyRotatingBox node to which the DEF name of "MYROTATINGBOX" is applied is displayed on the scene graph of the scene graph window 76 as shown in FIG. 11. By the way, although, before the PROTO is created, the route from the ProximitySensor node to the TimeSensor node has been present as shown in FIG. 9, since the TimeSensor node has moved to the produced MyRotatingBox node, it must be routed between the ProximitySensor node and the MyRotatingBox node. Therefore, in step S15, the editing tool 52 adds an interface as a field for receiving an event from an external node to the newly created PROTO (hereinafter referred to as MyRotatingBox node). Consequently, an event outputted from an external node (in the present case, the ProximitySensor node) can be inputted to the PROTO (MyRotatingBox node).

FIG. 7

START OF PROTO CREATION PROCESSING

MOVE NODES SO THAT ALL NODES REQUIRED FOR CREATION OF PROTO MAY BE INCLUDED IN SAME HIERARCHY S11

SELECT Transform NODE S12

SELECT "Create PROTO" FROM WITHIN POPUP MENU S13

INPUT NAME OF PROTO S14

ADD INTERFACE TO CREATED PROTO S15

ROUTING BETWEEN ProximitySensor NODE AND MyRotatingBox NODE S16

East Browser - 1007143311 - [US 6482889 B1] [Page 51] [Format: KWIC]

Start [US 6482889 B1] [Page 51] [Format: KWIC]

2:57 PM



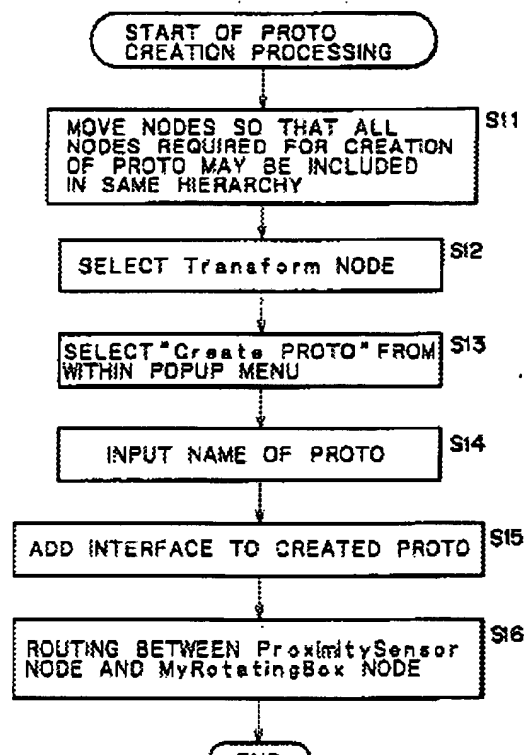
**Detailed Description Text - DETX (66):**

Then in step S16, the editing tool 52 routes the MyRotatingBox node (MYROTATINGBOX) from the ProximitySensor node (ProximitySensor.sub.- 00).

Consequently, in the route window 73 of FIG. 11, a line representing a route is displayed between the icon of the ProximitySensor.sub.- 00 and the icon of the MYROTATINGBOX.

**Detailed Description Text - DETX (68):**

Here, in the scene graph window 76 of FIG. 11, a tab of "MyRotatingBox" is provided newly such that, if the user selects the tab "MyRotatingBox", then contents of the MyRotatingBox node are displayed as shown in FIG. 12. In the present case, it can be seen that the TimeSensor which has been routed to the ProximitySensor in the route window 73 of FIG. 6 has moved into the MyRotatingBox node.

**FIG. 7**

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File Edit View Tools Window Help

Detailed Description Text - DETX (70):

Now, the process of actually creating the MyRotatingBox node which is the created PROTO, as an instance (substance) is described with reference to the flowchart of FIG. 13. First in step S21, the user will select the tab (body) of the scene graph window 76 to cause the scene graph of the world which is a current scope at present to be displayed, and in step S22, the user will newly add the Transform node on the scene graph. In step S23, the user will right click the mouse 38b, for example, in the scene graph window 76 to cause a popup menu to be displayed as shown in FIG. 14, move the mouse pointer to a choice "AddProtoInstance", which indicates addition of an instance of the PROTO, in the popup menu and select another choice "MyRotatingBox" displayed on the right side of the choice "Add ProtoInstance". Then in step S24, the editing tool 52 adds the instance of the MyRotatingBox node as the MyRotatingBox sub - 00 to

FIG. 7

```
graph TD; Start([START OF PROTO CREATION PROCESSING]) --> S11[MOVE NODES SO THAT ALL NODES REQUIRED FOR CREATION OF PROTO MAY BE INCLUDED IN SAME HIERARCHY S11]; S11 --> S12[SELECT Transform NODE S12]; S12 --> S13[SELECT "Create PROTO" FROM WITHIN POPUP MENU S13]; S13 --> S14[INPUT NAME OF PROTO S14]; S14 --> S15[ADD INTERFACE TO CREATED PROTO S15]; S15 --> S16[ROUTING BETWEEN ProximitySensor NODE AND MyRotatingBox NODE S16]; S16 --> End([END]);
```

START OF PROTO CREATION PROCESSING

MOVE NODES SO THAT ALL NODES REQUIRED FOR CREATION OF PROTO MAY BE INCLUDED IN SAME HIERARCHY S11

SELECT Transform NODE S12

SELECT "Create PROTO" FROM WITHIN POPUP MENU S13

INPUT NAME OF PROTO S14

ADD INTERFACE TO CREATED PROTO S15

ROUTING BETWEEN ProximitySensor NODE AND MyRotatingBox NODE S16

Details Test Image HTML Full

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East Browser - L1107143311 - US 6483498 B1 - Rev. 5 - Doc. 3/2 - Format: KWIC

File Edit View Tools Window Help

Detailed Description Text - DETX (73):

Then, if the Box node of the tree of the MyRotatingBox node displayed as a result of selection of the tab of "MyRotatingBox" of the scene graph window 76 is designated, for example, by the mouse 38b to put the Box node into a selected condition (reversed display condition), also the Box displayed in the 3D view window 71 is put into a selected condition. Then, if the value of "x" indicative of the size of the attribute of the Box in the direction of the X axis is set, for example, to 0.5, which is one fourth the value of the size of the Y axis and the z axis as shown in FIG. 16, the sizes of the two Boxes displayed in the 3D view window 71 in the direction of the X axis are both reduced to one fourth as shown in FIG. 16. In this manner, a modification to an attribute of the PROTO is reflected also on the instance of the PROTO.

FIG. 7

START OF PROTO CREATION PROCESSING

MOVE NODES SO THAT ALL NODES REQUIRED FOR CREATION OF PROTO MAY BE INCLUDED IN SAME HIERARCHY S11

SELECT Transform NODE S12

SELECT "Create PROTO" FROM WITHIN POPUP MENU S13

INPUT NAME OF PROTO S14

ADD INTERFACE TO CREATED PROTO S15

ROUTING BETWEEN ProximitySensor NODE AND MyRotatingBox NODE S16

END

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US-PAT-NO: 6683619

DOCUMENT-IDENTIFIER: US 6683619 B1

TITLE: System and method for increasing performance when compositing images

----- KWIC -----

Abstract Text - ABTX (1):  
A system and method for increasing the performance of a compositing system when compositing images represented as a directed acyclic graph. The method comprises identifying at least one critical path, determining a set of input nodes to each critical path, and caching the images at each of the input nodes to each critical path. The critical paths may comprise all nodes between and

8,17,19

103

US-PAT-NO: 6683619

DOCUMENT-IDENTIFIER: US 6683619 B1

TITLE: System and method for  
increasing performance when  
compositing images

----- KWIC -----

## Abstract Text - ABTX (1):

A system and method for increasing the performance of a compositing system when compositing images represented as a directed acyclic graph. The method comprises identifying at least one critical path, determining a set of input nodes to each critical path, and caching the images at each of the input nodes to each critical path. The critical paths may comprise all nodes between and

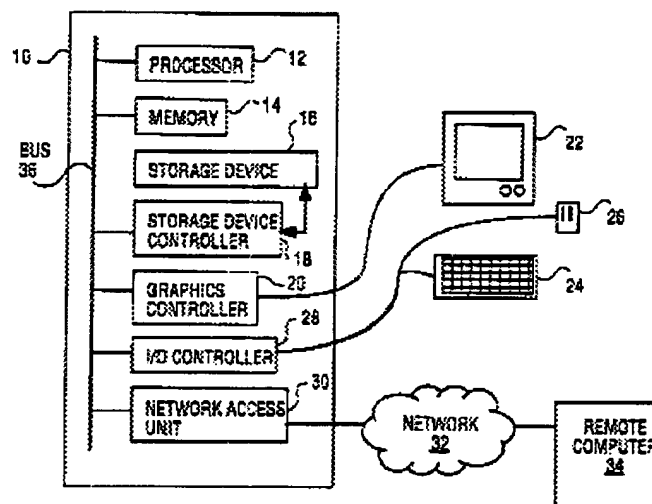


FIG. 1



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picture or illustration$1 or drawing$1) near10 (generat$4 or
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drawing$1)and (generat$4 or creat$4)near10 (step$1 or
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or micro adj process$4)and (display$4 or view$4 or visual$8)
and 345/440|
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  **SAF** | 
  **Alcoa** | 
  **Tetra Tech** | 
  **Hydrex**

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2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6278446 B1	20010821	29	System for interactive organization and browsing of	345/700	382/168	
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6154215 A	20001128	21	Method and apparatus for maintaining multiple	345/418		



EAST [10071493.1]

File View Edit Tools Window Help

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L108: (0) 345/\$.ccls. and

L109: (0) 345/\$.ccls. and

L111: (0) 345/\$.ccls. and

L112: (52) (gui or user)

L107: (2) 345/\$.ccls. and

L106: (1) 345/\$.ccls. and

L110: (3) 345/\$.ccls. and

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Favorites

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Queue

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SEARCH

DBs

USPAT,USPGPUB,EPG,JPG,DERWENT,IBM,100

Default operator

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ABSTRACT

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Images

Text

HTML

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2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6683619 B1	20040127	10	System and method for increasing performance when	345/619	345/440; 345/501;	3
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5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6154215 A	20001128	21	Method and apparatus for maintaining multiple	345/418		

Start

EAST - [10071493.1]

Inventor Name Search Re...

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103	0	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/707	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:36
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105	1	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/762	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:37
108	0	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/851	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:37
109	0	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/852	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:38
111	0	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/854	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:40

112	52	(gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:40
107	2	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/764	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:41
106	1	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/763	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:45
110	3	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/853	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:59
113	3	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/440	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:00



L Number	Hits	Search Text	DB	Time stamp
93	64507	345/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:21
94	104	345/\$.ccls. and blackman.xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:22
95	0	345/\$.ccls. and blackman.xa. and (gui or user )near10 drawing near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:23
96	2	345/\$.ccls. and blackman.xa. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:30
97	613	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:31
98	97	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:13
99	53	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:14
100	18	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:34
101	18	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:24
102	18	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:36

103	0	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/707	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:36
104	0	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/713	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:37
105	1	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/762	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:37
108	0	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/851	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:37
109	0	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/852	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:38
111	0	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/854	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:40

112	52	(gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:40
107	2	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/764	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:41
106	1	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/764	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:45
110	3	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/763	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 14:59
113	3	345/\$.ccls. and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)and (display\$4 or view\$4 or visual\$8) and 345/853	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:00
114	100	345/440 and 345/764	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:10
115	100	345/440 and 345/764	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:11

116	25	345/440 and 345/764 and 345/853	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:12
117	12	345/440 and 345/764 and 345/853 and 345/854	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:12
118	3	345/440 and 345/764 and 345/853 and 345/854 and 345/855	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:13
119	34	345/440 and 345/764 and (345/853 or 345/854 or 345/855)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:13
120	0	(345/440 and 345/764 and (345/853 or 345/854 or 345/855)) and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:14
121	0	(345/440 and 345/764 and (345/853 or 345/854 or 345/855)) and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:14
122	0	(345/440 and 345/764 and (345/853 or 345/854 or 345/855)) and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:14
123	0	345/855 and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:15
124	0	345/854 and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:15

125	3	345/853 and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:15
126	119	345/855	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:16
127	32	345/855 and node\$1 near10 (visual\$9 or view\$4 or display\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:17
128	16	345/855 and node\$1 near10 (visual\$9 or view\$4 or display\$4)same (generat\$4 or creat\$4 editing or adjust\$6 or modif\$9)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:18
129	9	345/855 and (node\$1 near10 (visual\$9 or view\$4 or display\$4)same (generat\$4 or creat\$4 editing or adjust\$6 or modif\$9)) same select\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:18
130	52	345/854 and (node\$1 near10 (visual\$9 or view\$4 or display\$4)same (generat\$4 or creat\$4 editing or adjust\$6 or modif\$9)) same select\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:18
131	77	345/853 and (node\$1 near10 (visual\$9 or view\$4 or display\$4)same (generat\$4 or creat\$4 editing or adjust\$6 or modif\$9)) same select\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:19
132	32	345/764 and (node\$1 near10 (visual\$9 or view\$4 or display\$4)same (generat\$4 or creat\$4 editing or adjust\$6 or modif\$9)) same select\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:19
133	57	345/440 and (node\$1 near10 (visual\$9 or view\$4 or display\$4)same (generat\$4 or creat\$4 editing or adjust\$6 or modif\$9)) same select\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:19
134	3	345/440 and (node\$1 near10 (visual\$9 or view\$4 or display\$4)same (generat\$4 or creat\$4 editing or adjust\$6 or modif\$9)) same select\$4 and (345/855 and (node\$1 near10 (visual\$9 or view\$4 or display\$4)same (generat\$4 or creat\$4 editing or adjust\$6 or modif\$9)) same select\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:19
135	9	((382/\$).CCLS.) and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:26

136	9	(((382/\$).CCLS.) and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)) and (gui or user )near10 (scene or image or picture or illustration\$1 or drawing\$1) near10 (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)and (node\$1)same (scene or image or picture or illustration\$1 or drawing\$1)and (generat\$4 or creat\$4)near10 (step\$1 or instruction\$1 or program\$9)same (node\$1)and( process\$4 or cpu or micro adj process\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/14 15:27
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